

SUSTAINABLE FABRIC MAINTENANCE PRACTICES

“Extend Asset Life and Minimize Environmental Impact with Eco-Friendly Fabric Maintenance Strategies.”

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

This course provides professionals with the tools and techniques needed to implement sustainable fabric maintenance practices in industrial settings. It focuses on reducing environmental impact, conserving resources, and increasing the lifespan of structural coatings and components through best practices in surface preparation, coating application, corrosion control, and waste management. The course aligns with international sustainability and asset integrity guidelines while emphasizing cost-effectiveness and regulatory compliance.

Objectives

By the end of this course, participants will be able to:

- Understand sustainability principles in the context of fabric maintenance
- Identify eco-friendly surface preparation and coating application techniques
- Minimize hazardous waste generation during maintenance processes
- Implement corrosion prevention methods that reduce environmental risk
- Integrate sustainability into long-term maintenance planning and procurement

Why Attend

With growing global emphasis on sustainability, industries are under pressure to reduce their environmental footprint while maintaining high standards of reliability and safety. This course helps bridge the gap between performance and environmental stewardship in fabric maintenance programs.

Target Audience

- Maintenance and Asset Integrity Engineers
- Coating and Corrosion Technicians
- Sustainability and HSE Professionals
- Operations and Facility Managers
- Quality and Environmental Compliance Officers

Individual Benefits

- Build expertise in sustainable industrial maintenance
- Enhance professional credibility in environmental responsibility
- Reduce personal exposure to hazardous materials
- Increase alignment with ISO 14001 and ESG goals

Organizational Benefits

- Reduce carbon footprint and hazardous waste from maintenance activities
- Improve regulatory compliance and stakeholder confidence
- Extend coating lifecycle and reduce rework costs
- Support sustainability and ESG reporting objectives

Instructional Methodology

- Practical case studies from sustainable maintenance projects
- Demonstrations of low-VOC, bio-based, and recyclable coating systems
- Hands-on exercises in waste reduction planning and energy efficiency
- Interactive workshops and expert-led discussions
- Final exam and certification wrap-up

Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Principles of Sustainability in Fabric Maintenance

- Module 1: Introduction to Sustainable Maintenance Concepts (07:30 – 09:30)
- Module 2: Environmental Impacts of Traditional Fabric Maintenance (09:45 – 11:15)
- Module 3: Global Standards and Guidelines (ISO 14001, ESG, SDGs) (11:30 – 01:00)
- Module 4: Sustainability Metrics in Maintenance Projects (02:00 – 03:30)

Day 2: Eco-Friendly Surface Preparation & Coating Materials

- Module 1: Abrasive Alternatives – Sponge Blasting, Vapor Blasting (07:30 – 09:30)
- Module 2: Low-VOC, Bio-Based, and Waterborne Coatings (09:45 – 11:15)
- Module 3: Safe Removal and Disposal of Existing Coatings (11:30 – 01:00)
- Module 4: Case Study: Green Coating Application in Marine/Offshore (02:00 – 03:30)

Day 3: Sustainable Corrosion Protection & Waste Minimization

- Module 1: Cathodic Protection and Passive Coatings (07:30 – 09:30)
- Module 2: Corrosion Monitoring and Predictive Maintenance (09:45 – 11:15)
- Module 3: Solid and Liquid Waste Segregation and Reduction (11:30 – 01:00)
- Module 4: Workshop: Developing a Waste Management Plan (02:00 – 03:30)

Day 4: Green Maintenance Planning & Procurement Strategies

- Module 1: Life-Cycle Assessment in Maintenance Decisions (07:30 – 09:30)
- Module 2: Environmentally Responsible Vendor Selection (09:45 – 11:15)
- Module 3: Eco-Friendly Material Storage and Handling (11:30 – 01:00)
- Module 4: Sustainable Budgeting and Supply Chain Integration (02:00 – 03:30)

Day 5: Performance Monitoring and Continuous Improvement

- Module 1: KPIs for Sustainability and Operational Efficiency (07:30 – 09:30)
- Module 2: Auditing and Reporting Environmental Performance (09:45 – 11:15)
- Module 3: Improvement Opportunities in Existing Programs (11:30 – 01:00)
- Module 4: Final Exam, Certification Wrap-Up, and Action Plan (02:00 – 03:30)

Certification

Participants who successfully complete the training and pass the final assessment will be awarded a Certificate of Completion – Sustainable Fabric Maintenance Practices, recognizing their expertise in implementing environmentally responsible maintenance programs.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation's unique goals.

In-House / Customized Training

Interested in running this course for your team?

Please contact us:

TEL:

+601116373203

EMAIL:

info@mawaevents.net

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.